

RAW SEQUENCE LISTING

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Application Serial Number: 10/552, 388
Source: PCT
Date Processed by STIC: 10/20/2005

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RAW SEQUENCE LISTING

DATE: 10/20/2005

PATENT APPLICATION: US/10/552,388

TIME: 09:38:30

Input Set : A:\seq listing.app

Output Set: N:\CRF4\10202005\J552388.raw

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3 <110> APPLICANT: Ross et al.
5 <120> TITLE OF INVENTION: Polypeptides Containing Glycosylphosphatidyinositol
7 <130> FILE REFERENCE: 71838-01
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/552,388
C--> 9 <141> CURRENT FILING DATE: 2005-10-07
9 <150> PRIOR APPLICATION NUMBER: PCT/GB04/001572
10 <151> PRIOR FILING DATE: 2004-04-07
12 <150> PRIOR APPLICATION NUMBER: 032435.1
13 <151> PRIOR FILING DATE: 2003-10-16
15 <150> PRIOR APPLICATION NUMBER: 0308088.4
16 <151> PRIOR FILING DATE: 2003-04-09
18 <160> NUMBER OF SEQ ID NOS: 20
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 794
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to domain
29 comprising glycosylphosphatidyinositol
31 <400> SEQUENCE: 1
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34 cactggcagg atcaagtgat gctcatatgt tcccaaccat tcccttatcc aggctttttg 120
36 acaacgctag tctccgcgcc catcgtctgc accagctggc ctttgacacc taccaggagt 180
38 ttgaagaagc ctatatccca aaggaacaga agtattcatt cctgcagaac cccagacct 240
40 ccctctgttt ctcagagtct attccgacac cctccaacag ggaggaaaca caacagaaat 300
42 ccaacctaga gctgctccgc atctccctgc tgctcatcca gtcgtggctg gagcccgtgc 360
44 agttcctcag gagtgtcttc gccaacagcc tgggtgtacgg cgcctctgac agcaacgtct 420
46 atgacctcct aaaggaccta gaggaaggca tccaaacgct gatggggagg ctggaagatg 480
48 gcagcccccg gactgggcag atcttcaagc agacctacag caagttcgac acaaactcac 540
50 acaacgatga cgcactactc aagaactacg ggctgctcta ctgcttcagg aaggacatgg 600
52 acaaggtcga gacattcctg cgcacgtgctc agtgccgctc tgtggagggc agctgtggct 660
54 tcggcgggtg aggggatatc gacaagctgg tcaagtgtgg cggcataagc ctgctgggtc 720
56 agaacacatc ctggatgctg ctgctgctgc tttccctctc cctcctccaa gccctagact 780
58 tcattttctc gtga 794
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 254
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to a
68 glycosylphosphatidyinositol domain
70 <400> SEQUENCE: 2

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73 1 5 10 15
76 Asp Ala His Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn
77 20 25 30
80 Ala Ser Leu Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr
81 35 40 45
84 Gln Glu Phe Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe
85 50 55 60
88 Leu Gln Asn Pro Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr
89 65 70 75 80
92 Pro Ser Asn Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu
93 85 90 95
96 Arg Ile Ser Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe
97 100 105 110
100 Leu Arg Ser Val Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser
101 115 120 125
104 Asn Val Tyr Asp Leu Leu Lys Asp Leu Glu Glu Gly Ile Gln Thr Leu
105 130 135 140
108 Met Gly Arg Leu Glu Asp Gly Ser Pro Arg Thr Gly Gln Ile Phe Lys
109 145 150 155 160
112 Gln Thr Tyr Ser Lys Phe Asp Thr Asn Ser His Asn Asp Asp Ala Leu
113 165 170 175
116 Leu Lys Asn Tyr Gly Leu Leu Tyr Cys Phe Arg Lys Asp Met Asp Lys
117 180 185 190
120 Val Glu Thr Phe Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser
121 195 200 205
124 Cys Gly Phe Gly Gly Gly Gly Asp Ile Asp Lys Leu Val Lys Cys Gly
125 210 215 220
128 Gly Ile Ser Leu Leu Val Gln Asn Thr Ser Trp Met Leu Leu Leu Leu
129 225 230 235 240
132 Leu Ser Leu Ser Leu Leu Gln Ala Leu Asp Phe Ile Ser Leu
133 245 250

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136 <210> SEQ ID NO: 3

137 <211> LENGTH: 1607

138 <212> TYPE: DNA

139 <213> ORGANISM: Artificial Sequence

141 <220> FEATURE:

142 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to growth hormone

143 receptor

145 <400> SEQUENCE: 3

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148 cactggcagg atcaagtgat gctcatatgt tcccaaccat tcccttatcc aggccttttg 120
150 acaacgctag tctccgcgcc catcgtctgc accagctggc ctttgacacc taccaggagt 180
152 ttgaagaagc ctatatccca aaggaacaga agtattcatt cctgcagaac cccagacct 240
154 ccctctgttt ctacagagtct attccgacac cctccaacag ggaggaaaca caacagaaat 300
156 ccaacctaga gctgctccgc atctccctgc tgctcatcca gtcgtggctg gagcccgtgc 360
158 agttcctcag gagtgtcttc gccaacagcc tgggtgtacgg cgctcttgac agcaacgtct 420
160 atgacctcct aaaggacct gaggaaggca tccaaacgct gatggggagg ctggaagatg 480
162 gcagcccccg gactgggcag atcttcaagc agacctacag caagttcgac acaaaactcac 540

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164 acaacgatga cgcactactc aagaactacg ggctgctcta ctgcttcagg aaggacatgg      600
166 acaaggtcga gacattcctg cgcacgtgc agtgccgctc tgtggagggc agctgtggct      660
168 tcggcgcccg cgggtggcgga ggtagtggtg gcggaggtag cgggtggcgga ggttctgggtg      720
170 gcggaggttc cgaattcttt tctggaagtg aggccacagc agctatcctt agcagagcac      780
172 cctggagtct gcaaagtgtt aatccaggcc taaagacaaa ttcttctaag gaggctaaat      840
174 tcaccaagtg ccgttcacct gagcgagaga ctttttcatg ccactggaca gatgagggttc      900
176 atcatggtac aaagaaccta ggaccatac agctgttcta taccagaagg aacactcaag      960
178 aatggactca agaatggaaa gaatgccctg attatgtttc tgctggggaa aacagctgtt     1020
180 actttaattc atcgtttacc tccatctgga taccttattg tatcaagcta actagcaatg     1080
182 gtggtacagt ggatgaaaag tgtttctctg ttgatgaaat agtgcaacca gatccacca     1140
184 ttgccctcaa ctggacttta ctgaacgtca gtttaactgg gattcatgca gatatccaag     1200
186 tgagatggga agcaccacgc aatgcagata ttcagaaagg atggatgggt ctggagtatg     1260
188 aacttcaata caaagaagta aatgaaacta aatggaaaat gatggaccct atattgacaa     1320
190 catcagttcc agtgtactca ttgaaagtgg ataaggaata tgaagtgcgt gtgagatcca     1380
192 aacaacgaaa ctctggaaat tatggcgagt tcagtgaggt gctctatgta acacttcctc     1440
194 agatgagcca atttacatgt gaagaagatt tctacggcgg tggaggggat atcgacaagc     1500
196 tgggtcaagtg tggcggcata agcctgctgg ttcagaacac atcctggatg ctgctgctgc     1560
198 tgctttccct ctccctcctc caagccctag acttcatttc tctgtga      1607

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201 <210> SEQ ID NO: 4

202 <211> LENGTH: 525

203 <212> TYPE: PRT

204 <213> ORGANISM: Artificial Sequence

206 <220> FEATURE:

207 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to growth hormone

208 receptor

210 <400> SEQUENCE: 4

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216 Asp Ala His Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn
217          20          25          30
220 Ala Ser Leu Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr
221          35          40          45
224 Gln Glu Phe Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe
225          50          55          60
228 Leu Gln Asn Pro Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr
229 65          70          75          80
232 Pro Ser Asn Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu
233          85          90          95
236 Arg Ile Ser Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe
237          100         105         110
240 Leu Arg Ser Val Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser
241          115         120         125
244 Asn Val Tyr Asp Leu Leu Lys Asp Leu Glu Glu Gly Ile Gln Thr Leu
245          130         135         140
248 Met Gly Arg Leu Glu Asp Gly Ser Pro Arg Thr Gly Gln Ile Phe Lys
249 145         150         155         160
252 Gln Thr Tyr Ser Lys Phe Asp Thr Asn Ser His Asn Asp Asp Ala Leu
253          165         170         175
256 Leu Lys Asn Tyr Gly Leu Leu Tyr Cys Phe Arg Lys Asp Met Asp Lys

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257          180          185          190
260 Val Glu Thr Phe Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser
261          195          200          205
264 Cys Gly Phe Gly Gly Arg Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
265          210          215          220
268 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Phe Phe Ser Gly Ser
269 225          230          235          240
272 Glu Ala Thr Ala Ala Ile Leu Ser Arg Ala Pro Trp Ser Leu Gln Ser
273          245          250          255
276 Val Asn Pro Gly Leu Lys Thr Asn Ser Ser Lys Glu Pro Lys Phe Thr
277          260          265          270
280 Lys Cys Arg Ser Pro Glu Arg Glu Thr Phe Ser Cys His Trp Thr Asp
281          275          280          285
284 Glu Val His His Gly Thr Lys Asn Leu Gly Pro Ile Gln Leu Phe Tyr
285          290          295          300
288 Thr Arg Arg Asn Thr Gln Glu Trp Thr Gln Glu Trp Lys Glu Cys Pro
289 305          310          315          320
292 Asp Tyr Val Ser Ala Gly Glu Asn Ser Cys Tyr Phe Asn Ser Ser Phe
293          325          330          335
296 Thr Ser Ile Trp Ile Pro Tyr Cys Ile Lys Leu Thr Ser Asn Gly Gly
297          340          345          350
300 Thr Val Asp Glu Lys Cys Phe Ser Val Asp Glu Ile Val Gln Pro Asp
301          355          360          365
304 Pro Pro Ile Ala Leu Asn Trp Thr Leu Leu Asn Val Ser Leu Thr Gly
305          370          375          380
308 Ile His Ala Asp Ile Gln Val Arg Trp Glu Ala Pro Arg Asn Ala Asp
309 385          390          395          400
312 Ile Gln Lys Gly Trp Met Val Leu Glu Tyr Glu Leu Gln Tyr Lys Glu
313          405          410          415
316 Val Asn Glu Thr Lys Trp Lys Met Met Asp Pro Ile Leu Thr Thr Ser
317          420          425          430
320 Val Pro Val Tyr Ser Leu Lys Val Asp Lys Glu Tyr Glu Val Arg Val
321          435          440          445
324 Arg Ser Lys Gln Arg Asn Ser Gly Asn Tyr Gly Glu Phe Ser Glu Val
325          450          455          460
328 Leu Tyr Val Thr Leu Pro Gln Met Ser Gln Phe Thr Cys Glu Glu Asp
329 465          470          475          480
332 Phe Tyr Gly Gly Gly Gly Asp Ile Asp Lys Leu Val Lys Cys Gly Gly
333          485          490          495
336 Ile Ser Leu Leu Val Gln Asn Thr Ser Trp Met Leu Leu Leu Leu Leu
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344 <210> SEQ ID NO: 5

345 <211> LENGTH: 1442

346 <212> TYPE: DNA

347 <213> ORGANISM: Artificial Sequence

349 <220> FEATURE:

350 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to growth hormone

RAW SEQUENCE LISTING

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Output Set: N:\CRF4\10202005\J552388.raw

352 <400> SEQUENCE: 5

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355 cactggcgagg atcaagtgat gctcatatgt tcccaaccat tcccttatcc aggctttttg      120
357 acaacgctag tctccgcgcc catcgtctgc accagctggc ctttgacacc taccaggagt      180
359 ttgaagaagc ctatatccca aaggaacaga agtattcatt cctgcagaac ccccagacct      240
361 cctctgtttt ctcagagtct attccgacac cctccaacag ggaggaaaca caacagaaat      300
363 ccaacctaga gctgctccgc atctccctgc tgcctatcca gtcgtggctg gagcccgctg      360
365 agttcctcag gagtgtcttc gccaacagcc tgggtgtacgg cgctctgac agcaacgtct      420
367 atgacctcct aaaggaccta gaggaaggca tccaaacgct gatggggagg ctggaagatg      480
369 gcagcccccg gactgggcag atcttcaagc agacctacag caagtctgac acaaaactcac      540
371 acaacgatga cgcactactc aagaactacg ggctgctcta ctgcttcagg aaggacatgg      600
373 acaaggctga gacattcctg cgcctcgtgc agtgccgctc tgtggagggc agctgtggct      660
375 tcggcgcccg cgggtggcggg ggtagtgggt gcggagggtg cgggtggcggg ggttctgggt      720
377 gcggagggtt cgaattcttc ccaaccattc ccttatccag gctttttgac aacgctagtc      780
379 tccgcgcccc tcgtctgcac cagctggcct ttgacacctt ccaggagttt gaagaagcct      840
381 atatcccaaa ggaacagaag tattcattcc tgcagaaccc ccagacctcc ctctgtttct      900
383 cagagtctat tccgacaccc tccaacaggg aggaaacaca acagaaatcc aacctagagc      960
385 tgctccgcct ctccctgctg ctcatccagt cgtggctgga gcccgctgag ttcttcagga      1020
387 gtgtcttcgc caacagcctg gtgtacggcg cctctgacag caacgtctat gacctcctaa      1080
389 aggacctaga ggaaggcatc caaacgctga tggggagggt ggaagatggc agcccccgga      1140
391 ctgggcagat cttcaagcag acctacagca agttcgacac aaactcacac aacgatgacg      1200
393 cactactcaa gaactacggg ctgctctact gcttcaggaa ggacatggac aaggctcgaga      1260
395 cattcctgcg catcgtgcag tgccgctctg tggagggcag ctgtggcttc ggcggtggag      1320
397 gggatatcga caagctggtc aagtgtggcg gcataagcct gctggttcag aacacatcct      1380
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404 <210> SEQ ID NO: 6
405 <211> LENGTH: 470
406 <212> TYPE: PRT
407 <213> ORGANISM: Artificial Sequence
409 <220> FEATURE:
410 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to growth
hormone

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412 <400> SEQUENCE: 6

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419      20      25      30
422 Ala Ser Leu Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr
423      35      40      45
426 Gln Glu Phe Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe
427      50      55      60
430 Leu Gln Asn Pro Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr
431 65      70      75      80
434 Pro Ser Asn Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu
435      85      90      95
438 Arg Ile Ser Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe
439      100     105     110
442 Leu Arg Ser Val Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser
443      115     120     125

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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date .